

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE CONVERSION OF THE EXISTING ICB TO A FULL TRAFFIC SIGNAL AT THE INTERSECTION OF MD 32 (WASHINGTON RD.) AT STONER AVE. IN CARROLL COUNTY. MD 32 IS CONSIDERED TO RUN IN A NORTH/SOUTH DIRECTION.

NO OTHER INTERSECTION MODIFICATIONS ARE OCCURING.

INTERSECTION OPERATION

THE EXISTING CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE USED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 4 NEMA PHASES. THE MD 32 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY. THE STONER AVE. MOVEMENTS WILL OPERATE CONCURRENTLY.

CONTACT LIST

THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:  
MR. JOHN CONCANNON, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 624-8140  
MR. JOHN HUCHROWSKI, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
PHONE: (301) 624-8200  
MS. SUE PALMER, ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 624-8105  
MS. ANDREA ABEND, UTILITY ENGINEER  
PHONE: (301) 624-8115  
MS. CORREN JOHNSON, CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630  
MR. EDWARD RODENHIZER, MANAGER, SIGNAL OPERATIONS  
PHONE: (410) 787-7652

EQUIPMENT LIST

- A. EQUIPMENT TO BE SUPPLIED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION.  
NONE.
- B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
1	EA	CONFLICT MONITOR
4	EA	NEMA LOAD SWITCH
1	EA	14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY TRANSFORMER BASE
4	EA	VIDEO DETECTOR CAMERA (TERRA)
420	LF	VIDEO DETECTOR CAMERA CABLE
1	EA	VIDEO DETECTOR INTERFACE PANEL
8	EA	12 IN. 3-SECTION LED SIGNAL HEAD - MAST
1	EA	12 IN. 3-SECTION LED SIGNAL HEAD - POST TOP
110	LF	5-CONDUCTOR CABLE (NO. 14 AWG)
610	LF	7-CONDUCTOR CABLE (NO. 14 AWG)
80	LF	BARE COPPER GROUND WIRE (NO. 6 AWG)
15	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - BORED
.07	CY	CONCRETE FOUNDATION FOR TRAFFIC SIGNAL EQUIPMENT
1	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
95	SF	REMOVE & REPLACE 4 IN. SIDEWALK
145	LF	24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING - STOP LINE
8	EA	REMOVE EXISTING SIGNAL FLASHER HEAD
2	EA	REMOVE EXISTING GROUND MOUNTED SIGN
165	LF	REMOVE EXISTING PAVEMENT MARKINGS BY GRINDING
1	EA	VAR. X 16 IN. D-3(1) SIGN FOR MAST ARM MOUNTING
2	EA	30 IN. X 30 IN. W3-3 SIGN FOR GROUND MOUNTING
2	EA	24 IN. X 24 IN. W16-14(1) SIGN FOR GROUND MOUNTING
30	LF	4 IN. X 4 IN. WOOD SIGN SUPPORT
20	LF	CURB AND GUTTER

GENERAL NOTES

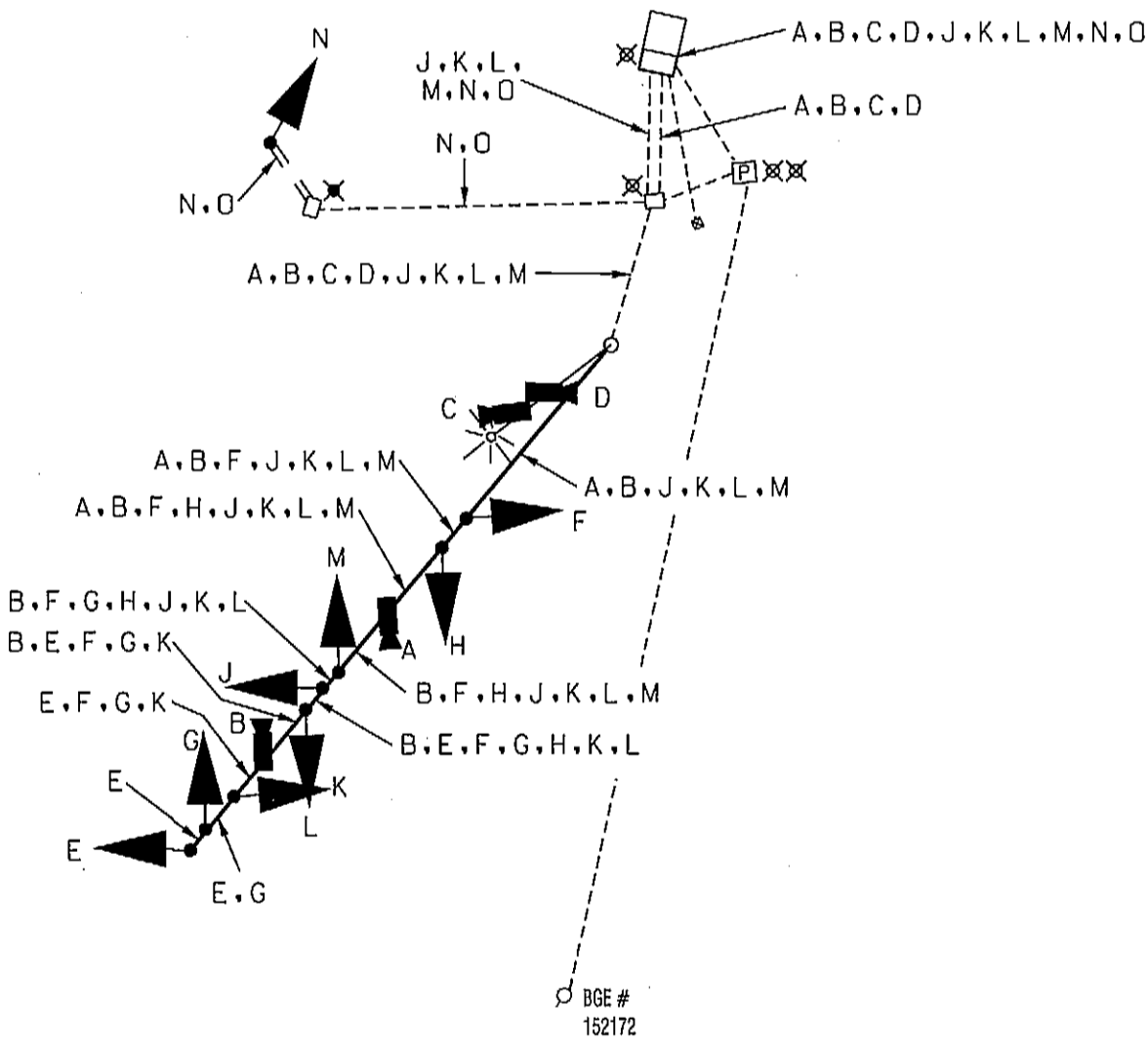
- VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
- GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- ALL UNUSED CABLE SHALL BE REMOVED.

PHASE CHART

1	2	3	4	5	6	7	8	9
(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)

PHASE 2 AND 6	G	G	G	G	R	R	R	R	R
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R
PHASE 4 AND 8	R	R	R	R	G	G	G	G	G
4 AND 8 CHANGE	R	R	R	R	G	G	G	G	G
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



KEY

- A  
B  
C  
D } VIDEO DETECTOR CABLE
- E  
F  
G  
H } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- J  
K  
L  
M  
N } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- O } BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- ⊗ } EXISTING GROUNDING ROD
- ⊗ } PROPOSED GROUNDING ROD

MD-AMD Tracking No.: 12-AP-CL-001



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 32 (WASHINGTON ROAD) AT STONER AVENUE

WESTMINSTER, MD

GENERAL INFORMATION PLAN

SCALE N/A DATE AUGUST 22, 2013 CONTRACT NO. BW996M82

DESIGNED BY J. STORCK COUNTY CARROLL  
DRAWN BY J. STORCK LOGMILE 06003216.49  
CHECKED BY J. DIRNDORFER TMS NO. L948  
F.A.P. NO. N/A TOD NO. N/A

TS NO. 4620A DRAWING SG - 01 OF 01 SHEET NO. 2 OF 2



PROFESSIONAL CERTIFICATION - I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
LICENSE NO. 33316 EXPIRATION DATE: 7/13/14

PLOTTED: Thursday, August 22, 2013 AT 03:03 PM  
FILE: F:\2006\2006-0102\06a\YEDD\p89-N002\_MD32 at Stoner.dgn

The Traffic Group, Inc.  
Suite H  
9900 Franklin Square Drive  
Baltimore, Maryland 21236  
410-931-6600  
1-800-583-8411  
Fax 410-931-6601

"Merging Innovation and Excellence"

BY: J. Storck